

**COMPOSITION AND METHOD**  
**FOR TREATING GRAFT-VERSUS-HOST DISEASE**

5 Inventors: Jorge DiMartino and Tipp Nelson

**ABSTRACT**

10 Compositions and methods are provided for prevention and  
clinical treatment of various forms of graft-versus-host disease (GVHD)  
by using inhibitors of adenosine deaminase (ADA). In particular,  
various formulations and dosing regimens of ADA inhibitors such as  
pentostatin are provided for the treatment of humans in vivo as well as  
for ex vivo conditioning of organ transplants in order to specifically  
15 suppress T-lymphocyte mediated immune responses while minimizing  
systemic toxicity of the drug.